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BRIDGE CONSISTS OF:

- 2 - 55'-0" SPANS, BRIDGE DECK REPLACEMENT----- SPECIAL DESIGN  
6 - 40'-0" SPANS, BRIDGE DECK REPLACEMENT----- SPECIAL DESIGN  
4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (5-89)  
(L = 4'-0"; W = 1'-1"; H = 2'-8")  
BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)  
STANDARD POST AND OFFSET BLOCKS FOR "W" & "T" BEAM  
GUARDRAIL -----GA. STD. 4960 (5-99)  
STANDARD GUARDRAIL CONNECTION AT BRIDGE ----- GA. STD. 4012C (4-89)  
STANDARD "T" BEAM GUARDRAIL ----- GA. STD. 4270 (3-89)

DESIGN DATA

SPECIFICATIONS ----- AASHTO 1996 AND 1997, 1998 AND 1999 INTERIMS  
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)  
TYPICAL HS20-44 ----- IMPACT ALLOWED  
FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT  
CONCRETE: SUPERSTRUCTURE ----- CLASS AA,  $f_c$  = 5,000 PSI  
CONCRETE BARRIER----- CLASS AA,  $f_c$  = 3,500 PSI  
REINFORCEMENT STEEL: ----- GRADE 60,  $f_y$  = 60,000 PSI

TRAFFIC DATA

TRAFFIC ----- ADT = 17500 (2007)  
ADT = 28000 (2027)  
DESIGN SPEED ----- 45 MPH  
TRUCKS ----- 6 %  
24 HR TRUCKS ----- 8 %  
DIRECTIONAL ----- 55 %

EXISTING UTILITIES

GAS MAIN ----- ATLANTA GAS LIGHT COMPANY  
TELEPHONE ----- RINGGOLD TELEPHONE COMPANY

CONSTRUCTION SEQUENCE

1. ESTABLISH ROAD / BRIDGE CLOSURE AS SHOWN ON DETOUR PLAN.
2. REMOVE EXISTING GUARDRAIL AT ENDPST.
3. REMOVE & REPLACE PARTS OF EXISTING BRIDGE ACCORDING TO PLANS.
4. REPLACE PART OF THE EXISTING GUARDRAIL.
5. REMOVE TRAFFIC CONTROL MEASURES & OPEN COMPLETED BRIDGE TO TRAFFIC.

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.  
REINFORCING STEEL - ALL REINFORCING STEEL SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. WELDING OF REINFORCING STEEL WILL NOT BE PERMITTED.  
CHAMFER - ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4 INCH UNLESS OTHERWISE NOTED.  
PROTECTIVE PLATFORMS - PROTECTIVE PLATFORMS WILL BE REQUIRED AT THIS SITE. IN ORDER TO MINIMIZE POTENTIAL IMPACTS TO THE RARE AND ENDANGERED SPECIES IDENTIFIED AT THIS SITE, PROTECTIVE PLATFORMS ARE TO BE USED TO COLLECT AND CONTAIN ALL DEBRIS RESULTING FROM THE REMOVAL AND REPLACEMENT OF THE EXISTING BRIDGE DECK. THE CONTRACTOR SHALL NOT DROP ANY MATERIALS INTO THE WATERWAY OR ONTO THE GROUND. SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. COST OF PROTECTIVE PLATFORM SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.  
TEMPORARY SILT FENCE - CONTRACTOR SHALL INSTALL TEMPORARY SILT FENCE, TYPE C, AS DIRECTED BY THE ENGINEER.  
TRAFFIC CONTROLS - ROAD TO BE CLOSED DURING BRIDGE CONSTRUCTION. SEE DETOUR PLANS.  
EXISTING BRIDGE PLANS - PLANS FOR EXISTING BRIDGE MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE EXISTING BRIDGE WAS BUILT UNDER PROJECT NUMBER B.A.(2)1774-B(8) CATOOSA COUNTY.  
DIMENSIONS AND ELEVATIONS - ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. LIGHT LINES INDICATE THE EXISTING STRUCTURE AND HEAVY LINES INDICATE THE NEW STRUCTURE.  
EPOXY RESIN ADHESIVE - EPOXY RESIN ADHESIVE TYPE II SHALL BE APPLIED TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. COST OF EPOXY ADHESIVE AND ITS APPLICATION SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.  
EXISTING REINFORCEMENT - EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION SHALL BE BENT IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. EXISTING REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION.  
PROTECTIVE SURFACE TREATMENT - PROTECTIVE SURFACE TREATMENT WILL BE REQUIRED AT THIS SITE AS PER SUB-SECTION 500.3.05.AD OF THE GEORGIA DOT SPECIFICATIONS.  
GROOVED CONCRETE - THE ENTIRE LENGTH OF THE BRIDGE SHALL BE GROOVED TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.  
WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH. ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELDED METAL ARC WELDING.  
SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.  
REMOVAL OF PARTS OF EXISTING BRIDGE - REMOVAL OF PARTS OF THE EXISTING BRIDGE SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 540-REMOVAL OF EXISTING BRIDGE. DISPOSAL SITES SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO ANY WORK ON THIS ITEM. COST OF THE REMOVAL OF THE EXISTING BRIDGE DECK,CURB, HANDRAIL AS REQUIRED SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 540-1202, REMOVAL OF PARTS OF EXISTING BRIDGE.  
EXISTING GUARDRAIL - PART OF THE EXISTING GUARDRAIL EACH SIDE OF THE ROAD AT BOTH APPROACHES SHALL BE REMOVED AND REPLACED AND DISPOSED OF BY THE CONTRACTOR. CONTRACTOR TO INSTALL THE "T" BEAM GUARDRAIL IN ACCORDANCE WITH GA. STD. 4012 C. COST OF REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE REMOVAL OF EXISTING BRIDGE.  
RESTRIPIING - NEW BRIDGE DECK SHALL BE RESTRIPIED TO MATCH EXISTING STRIPING AND ROADWAY GEOMETRY. EXISTING STRIPING CONSIST OF DOUBLE 5" SOLID YELLOW STRIPES AT CENTER AND SINGLE 5" SOLID WHITE STRIPES ALONG EACH EDGE OF THE TRAVELWAY.  
EXISTING UTILITIES - EXISTING UTILITIES SHALL BE TEMPORARILY SUPPORTED FROM THE EXISTING BEAMS. NO WELDING SHALL BE ALLOWED TO BOTTOM FLANGE OF EXISTING BEAMS. COST OF TEMPORARY SUPPORT TO BE INCLUDED IN THE OVERALL BID SUBMITTED.  
UTILITY HANGERS - INSERTS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. INSERTS SHALL BE GRINNELL FIGURE 282 OR APPROVED EQUAL. COST OF FURNISHING AND INSTALLING INSERTS SHALL BE INCLUDED IN OVERALL BID SUBMITTED. ALL OTHER COMPONENTS OF HANGER ASSEMBLIES SHALL BE FURNISHED AND INSTALLED BY UTILITY OWNER.  
INCIDENTAL ITEMS - COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA DOT SPECIFICATIONS, AND/OR SPECIAL PROVISIONS SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF CLEANING AND BENDING OF EXISTING REINFORCEMENT, WATERPROOFING, JOINT FILLERS,REPLACEMENT OF DAMAGED SHEAR STUDS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
150-1000	LUMP	LS	TRAFFIC CONTROL - STP-M001-00(972)
165-0030	50	LF	MAINTENANCE OF TEMPORARY SILT FENCE, TP C
171-0030	100	LF	TEMPORARY SILT FENCE, TYPE C
449-1620	40	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 1
449-1620	37	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 2
449-1620	37	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 3
449-1620	36	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 4
449-1620	36	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 5
449-1620	35	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 6
449-1620	35	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 7
449-1620	35	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 8
449-1620	36	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYENE COPOLYMER, NITROGEN-BLOWN SEAL, 1 1/4 IN., BR. NO-1, BENT 9
500-0100	1167	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (293)
500-2100	689	LF	CONCRETE BARRIER
501-3000	LUMP	LS	STR STEEL, BR NO - 1 (10922)
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (96704)
540-1202	LUMP		REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO - 1
641-1100	80	LF	GUARDRAIL, TP T
652-5451	700	LF	SOLID TRAFFIC STRIPE, 5, IN WHITE
652-5452	700	LF	SOLID TRAFFIC STRIPE, 5, IN YELLOW BRIDGE NO.1



Post, Buckley, Schuh & Jernigan, Inc.  
CONSULTING ENGINEERS and PLANNERS

GEORGIA  
DEPARTMENT OF TRANSPORTATION  
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES  
SR 2/US 41 OVER  
SOUTH CHICKAMAUGA CREEK  
DECK REPLACEMENT  
CATOOSA COUNTY STP-M001-00(972)

SCALE: 1"= 20'-0"

NOVEMBER 2002

BRIDGE SHEET  
2 OF 7

DESIGNED CMM  
DRAWN CAB

CHECKED HWC  
LIAISON ENGINEER

REVIEWED  
APPROVED